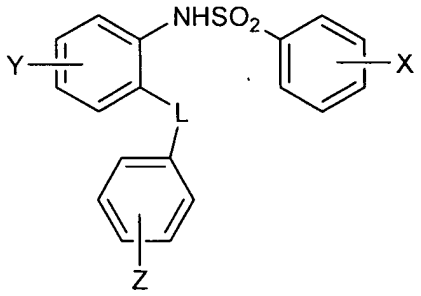
Amendments to the Claims

Please amend the claims as follows (the changes in these claims are shown with ~~strikethrough~~ for deleted text and underlines for added text). A complete listing of the claims is listed below with proper claim identifiers. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A modulator of the formula (I) or a salt thereof:



where

L is –C(O)–, ~~–S–, –S(O)– or –S(O)$_2$–~~;

X represents from 1 to 4 substituents ~~independently selected from the group consisting of –OH, –OR^1, –C(O)R^1, –CO$_2$R^1, –O(CO)R^1, –C(O)NR^{1}R^2, –OC(O)NR^{1}R^2, –SR^1, –SOR^1, –SO$_2$R^1, –SO$_2$NR^{1}R^2, –NR^{1}R^2, –NR^{1}C(O)R^2, –NR^{1}C(O)$_2$R^2, –NR^{1}SO$_2$R^2, –NR^1(CO)NR^{1}R^2, unsubstituted C$_{2-8}$ alkyl, substituted C$_{1-8}$ alkyl, unsubstituted or substituted C$_{2-8}$ alkenyl, unsubstituted or substituted C$_{2-8}$ alkynyl, unsubstituted or substituted C$_{3-8}$ cycloalkyl, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted 5- to 10-membered heteroaryl, and unsubstituted or substituted 3- to 10-membered heterocyclyl;~~

where at least one X is unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted 5- to 10-membered heteroaryl, or unsubstituted or substituted 3- to 10-membered heterocyclyl, where when

X is substituted it has from 1 to 4 substituents independently selected from the group consisting of halogen, unsubstituted or substituted C_{1-8} alkyl, -CN, $-NO_2$, -OH, $-OR^1$, =O, $-OC(O)R^1$, $-CO_2R^1$, $-C(O)R^1$, $-CONR^1R^2$, $-OC(O)NR^1R^2$, $-NR^2C(O)R^1$, $-NR^1C(O)NR^2R^3$, $-NR^1R^2$, $-NR^2CO_2R^1$, $-SR^1$, $-SOR^1$, $-SO_2R^1$, $-SO_2NR^1R^2$, and $-NR^1SO_2R^2$;

R^1, and R^2 ~~and R^3~~ are each independently selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted 5- to 10-membered heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or

two of R^1, and R^2 ~~and R^3~~ together with the atom(s) to which they are attached, may form an unsubstituted or substituted 5-, 6- or 7-membered ring;

Y represents from 1 to 3 substituents, each independently selected from the group consisting of halogen, -CN, -OH, $-OR^4$, $-C(O)R^4$, $-CO_2R^4$, $-SR^4$, $-SOR^4$, $-SO_2R^4$, and unsubstituted or substituted C_{1-4} alkyl;

R^4 is selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, and unsubstituted or substituted C_{2-6} alkynyl;

Z represents 0 to 5 substituents independently selected from the group consisting of halogen, unsubstituted or substituted C_{1-8} alkyl, unsubstituted or substituted C_{3-8} cycloalkyl, unsubstituted or substituted C_{2-8} alkenyl, unsubstituted or substituted C_{2-8} alkynyl, unsubstituted or substituted C_{1-8} alkoxy, =O, -CN, $-NO_2$, -OH, $-OR^7$, $-OC(O)R^7$, $-CO_2R^7$, $-C(O)R^7$, $-CONR^7R^8$, $-OC(O)NR^7R^8$, $-NR^7C(O)R^8$, $-NR^7C(O)NR^8R^9$, $-NR^7R^8$, $-NR^7CO_2R^8$, $-SR^7$, $-SOR^7$, $-SO_2R^7$, $-SO_2NR^7R^8$, $-NR^7SO_2R^8$, unsubstituted or

substituted 6- to 10-membered aryl, unsubstituted or substituted heteroaryl and unsubstituted or substituted heterocyclyl; and

R^7, R^8 and R^9 are each independently hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted phenyl, unsubstituted or substituted heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or where any two of R^7, R^8 and R^9 together with the atom(s) to which they are attached, may form a 5-, 6- or 7- membered ring;

~~with the proviso that when L is –C(O)–, X is 4-halogen, and Z is hydrogen, Y is other than hydrogen, 4-chloro, or 4-methyl;~~

~~with the proviso that the following compounds are excluded from the scope of formula (I):~~

~~N-(2-benzoylphenyl)-3,5-bis(trifluoromethyl)-benzenesulfonamide;~~

~~N-(4-amino-2-benzoylphenyl)-4-methoxy-benzenesulfonamide;~~

~~N-[4-[[(2-benzoyl-4-chlorophenyl)amino]sulfonyl]phenyl]-acetamide;~~

~~N-(2-benzoyl-4-chlorophenyl)-4-ethyl-benzenesulfonamide;~~

~~N-(2-benzoyl-4-chlorophenyl)-2,4,6-trimethyl-benzenesulfonamide;~~

~~N-(2-benzoyl-4-chlorophenyl)-2,4,6-tris(1-methylethyl)-benzenesulfonamide;~~

~~N-(2-benzoyl-4-chlorophenyl)-4-methoxy-benzenesulfonamide;~~

~~N-(2-benzoyl-4-chlorophenyl)-4-tricyclo[3.3.1.13,7]dec-1-yl-benzenesulfonamide;~~

~~N-[4-bromo-2-(2-fluorobenzoyl)phenyl]-3,4-dimethoxy-benzenesulfonamide;~~

~~N-[4-chloro-2-(2-chlorobenzoyl)phenyl]-4-(2-propenyloxy)-benzenesulfonamide;~~

~~N-[4-chloro-2-(2-chlorobenzoyl)phenyl]-3,4-dimethoxy-benzenesulfonamide;~~

~~N-[4-chloro-2-(2-chlorobenzoyl)phenyl]-2,5-dimethoxy-benzenesulfonamide;~~

~~2-amino-N-(2-benzoyl-4-methylphenyl)-benzenesulfonamide;~~

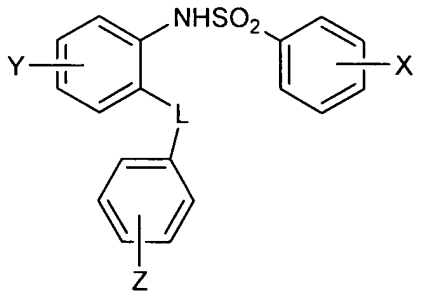
~~N-(2-benzoyl-5-methylphenyl)-N,4-dimethyl-benzenesulfonamide;~~

~~and~~

~~2-amino-2'-benzoyl-4'-chloro-benzenesulfonanilide.~~

2-74 (Canceled)

75. (New) A modulator of the formula (I) or a salt thereof:



where

L is –C(O)-;

X represents from 1 to 4 substituents, where at least one X is unsubstituted or substituted 3- to 7-membered heterocyclyl, where when X is substituted it has from 1-3 substituents independently selected from the group consisting of C_{1-8} alkyl, $-OR^1$, -OH, $-O(CO)R^1$, $-CO_2R^1$, $-C(O)R^1$,$-C(O)NR^1R^2$, $-NR^1R^2$, $-SO_2R^1$, $-NR^1SO_2R^2$;

R^1 and R^2 are each independently selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted 5- to 10-membered heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or

two of R^1 and R^2 together with the atom(s) to which they are attached, may form an unsubstituted or substituted 5-, 6- or 7-membered ring;

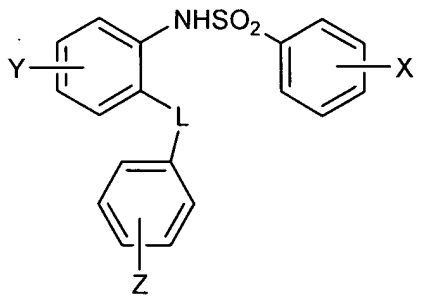
Y represents from 1 to 3 substituents, each independently selected from the group consisting of halogen, -CN, -OH, $-OR^4$, $-C(O)R^4$, $-CO_2R^4$, $-SR^4$, $-SOR^4$, $-SO_2R^4$, and unsubstituted or substituted C_{1-4} alkyl;

R^4 is selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, and unsubstituted or substituted C_{2-6} alkynyl;

Z represents 0 to 5 substituents independently selected from the group consisting of halogen, unsubstituted or substituted C_{1-8} alkyl, unsubstituted or substituted C_{3-8} cycloalkyl, unsubstituted or substituted C_{2-8} alkenyl, unsubstituted or substituted C_{2-8} alkynyl, unsubstituted or substituted C_{1-8} alkoxy, =O, -CN, $-NO_2$, -OH, $-OR^7$, $-OC(O)R^7$, $-CO_2R^7$, $-C(O)R^7$, $-CONR^7R^8$, $-OC(O)NR^7R^8$, $-NR^7C(O)R^8$, $-NR^7C(O)NR^8R^9$, $-NR^7R^8$, $-NR^7CO_2R^8$, $-SR^7$, $-SOR^7$, $-SO_2R^7$, $-SO_2NR^7R^8$, $-NR^7SO_2R^8$, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted heteroaryl and unsubstituted or substituted heterocyclyl; and

R^7, R^8 and R^9 are each independently hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted phenyl, unsubstituted or substituted heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or where any two of R^7, R^8 and R^9 together with the atom(s) to which they are attached, may form a 5-, 6- or 7- membered ring.

76. (New) A modulator of the formula (I) or a salt thereof:



where

L is –C(O)-;

X represents from 1 to 4 substituents, where at least one X is unsubstituted or substituted phenyl, where when X is substituted it has from 1-3 substituents independently selected from the group consisting of halogen, -OH, -OR^1, -$C(O)R^1$,-$C(O)NR^1R^2$, -$NR^2C(O)R^1$, -NR^1R^2, -SO_2R^1, and unsubstituted or substituted C_{1-8} alkyl;

R^1 and R^2 are each independently selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted 5- to 10-membered heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or

two of R^1 and R^2 together with the atom(s) to which they are attached, may form an unsubstituted or substituted 5-, 6- or 7-membered ring;

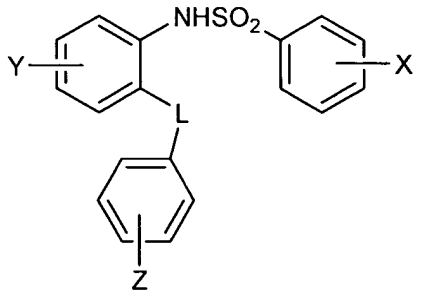
Y represents from 1 to 3 substituents, each independently selected from the group consisting of halogen, -CN, -OH, -OR^4, -$C(O)R^4$, -CO_2R^4, -SR^4, -SOR^4, -SO_2R^4, and unsubstituted or substituted C_{1-4} alkyl;

R^4 is selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, and unsubstituted or substituted C_{2-6} alkynyl;

Z represents 0 to 5 substituents independently selected from the group consisting of halogen, unsubstituted or substituted C_{1-8} alkyl, unsubstituted or substituted C_{3-8} cycloalkyl, unsubstituted or substituted C_{2-8} alkenyl, unsubstituted or substituted C_{2-8} alkynyl, unsubstituted or substituted C_{1-8} alkoxy, =O, -CN, $-NO_2$, -OH, $-OR^7$, $-OC(O)R^7$, $-CO_2R^7$, $-C(O)R^7$, $-CONR^7R^8$, $-OC(O)NR^7R^8$, $-NR^7C(O)R^8$, $-NR^7C(O)NR^8R^9$, $-NR^7R^8$, $-NR^7CO_2R^8$, $-SR^7$, $-SOR^7$, $-SO_2R^7$, $-SO_2NR^7R^8$, $-NR^7SO_2R^8$, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted heteroaryl and unsubstituted or substituted heterocyclyl; and

R^7, R^8 and R^9 are each independently hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted phenyl, unsubstituted or substituted heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or where any two of R^7, R^8 and R^9 together with the atom(s) to which they are attached, may form a 5-, 6- or 7- membered ring.

77. (New) A modulator of the formula (I) or a salt thereof:



where

L is –C(O)-;

X represents from 1 to 4 substituents, where at least one X is unsubstituted or substituted heteroaryl, where when X is substituted it has from 1-3 substituents independently selected from the group consisting of halogen, -OH, $-OR^1$, $-C(O)R^1$,$-C(O)NR^1R^2$, $-NR^2C(O)R^1$, $-NR^1R^2$, $-SO_2R^1$, and unsubstituted or substituted C_{1-8} alkyl,

R^1 and R^2 are each independently selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted 5- to 10-membered heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or

two of R^1 and R^2 together with the atom(s) to which they are attached, may form an unsubstituted or substituted 5-, 6- or 7-membered ring;

Y represents from 1 to 3 substituents, each independently selected from the group consisting of halogen, -CN, -OH, $-OR^4$, $-C(O)R^4$, $-CO_2R^4$, $-SR^4$, $-SOR^4$, $-SO_2R^4$, and unsubstituted or substituted C_{1-4} alkyl;

R^4 is selected from the group consisting of hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, and unsubstituted or substituted C_{2-6} alkynyl;

Z represents 0 to 5 substituents independently selected from the group consisting of halogen, unsubstituted or substituted C_{1-8} alkyl, unsubstituted or substituted C_{3-8} cycloalkyl, unsubstituted or substituted C_{2-8} alkenyl, unsubstituted or substituted C_{2-8} alkynyl, unsubstituted or substituted C_{1-8} alkoxy, =O, -CN, $-NO_2$, -OH, $-OR^7$, $-OC(O)R^7$, $-CO_2R^7$, $-C(O)R^7$, $-CONR^7R^8$, $-OC(O)NR^7R^8$, $-NR^7C(O)R^8$, $-NR^7C(O)NR^8R^9$, $-NR^7R^8$, $-NR^7CO_2R^8$, $-SR^7$, $-SOR^7$, $-SO_2R^7$, $-SO_2NR^7R^8$, $-NR^7SO_2R^8$, unsubstituted or substituted 6- to 10-membered aryl, unsubstituted or substituted heteroaryl and unsubstituted or substituted heterocyclyl; and

R^7, R^8 and R^9 are each independently hydrogen, unsubstituted or substituted C_{1-6} alkyl, unsubstituted or substituted C_{3-6} cycloalkyl, unsubstituted or substituted C_{2-6} alkenyl, unsubstituted or substituted C_{2-6} alkynyl, unsubstituted or substituted phenyl, unsubstituted or

substituted heteroaryl, unsubstituted or substituted aryl-C_{1-4} alkyl, and unsubstituted or substituted aryloxy-C_{1-4} alkyl; or where any two of R^7, R^8 and R^9 together with the atom(s) to which they are attached, may form a 5-, 6- or 7- membered ring.